

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. **(Currently Amended)** A polymerizable mixture comprising:
- a1) 10 to 99% by weight of at least one compound according to formula I having one polymerizable functional group,
- a2) ≤ 10 to 70% by weight of at least one compound according to formula I having two or more polymerizable functional groups, and
- b) 0.01 to 5% by weight of an initiator;

wherein the at least one compound which has one or more polymerizable groups of formula I is:



wherein

P is a polymerizable group,

Sp is a linear alkylene group having 1 to 20 C atoms, optionally one or more non-adjacent CH₂ groups may be replaced by -O-, -S-, -NH-, -N(CH₃)-, -CO-, -O-CO-, -S-CO-, -O-COO-, -CO-S-, -CO-O-, -CH(halogen)-, -CH(CN)-, -CH=CH- or -C≡C-,

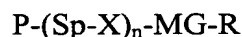
X is a group of -O-, -S-, -CO-, -COO-, -OCO-, -OCOO- or a single bond,

n is 0 or 1,

MG is a mesogenic group,
and

R is an alkyl radical with up to 25 C atoms optionally unsubstituted, mono- or polysubstituted by halogen or CN, optionally one or more non-adjacent CH₂ groups are replaced, independently, by -O-, -S-, -NH-, -N(CH₃)-, -CO-, -COO-, -OCO-, -OCO-O-, -S-CO-, -CO-S- or -C≡C- where oxygen atoms are not linked directly to one another, or R is halogen, cyano or, independently, P-(Sp-X)_n- as defined in formula I;

wherein the at least one compound which has two or more polymerizable groups of formula I is:



I

P is a polymerizable group,

Sp is a linear alkylene group having 1 to 20 C atoms, optionally one or more non-adjacent CH₂ groups may be replaced by -O-, -S-, -NH-, -N(CH₃)-, -CO-, -O-CO-, -S-CO-, -O-COO-, -CO-S-, -CO-O-, -CH(halogen)-, -CH(CN)-, -CH=CH- or -C≡C-,

X is a group of -O-, -S-, -CO-, -COO-, -OCO-, -OCOO- or a single bond,

n is 0 or 1,

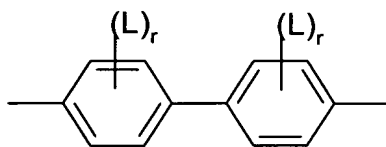
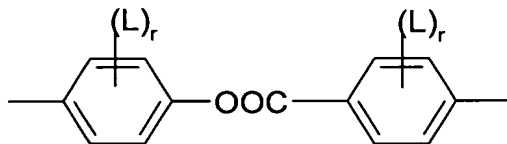
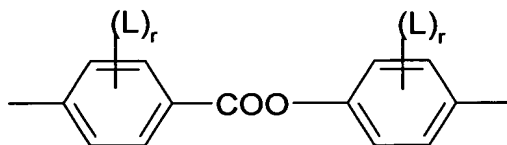
MG is a mesogenic group ~~or mesogenicity supporting group~~[:],
and

~~R is an alkyl radical with up to 25 C atoms optionally unsubstituted, mono- or polysubstituted by halogen or CN, optionally one or more non-adjacent CH₂ groups are replaced, independently, by O, S, NH, N(CH₃), CO,~~

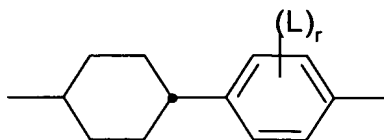
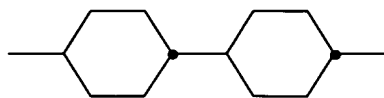
~~-COO, OCO, OCO O, S CO, CO S or C≡C where oxygen atoms are not linked directly to one another, or R is halogen, cyano or, independently, P-(Sp-X)_n as defined in formula I.~~

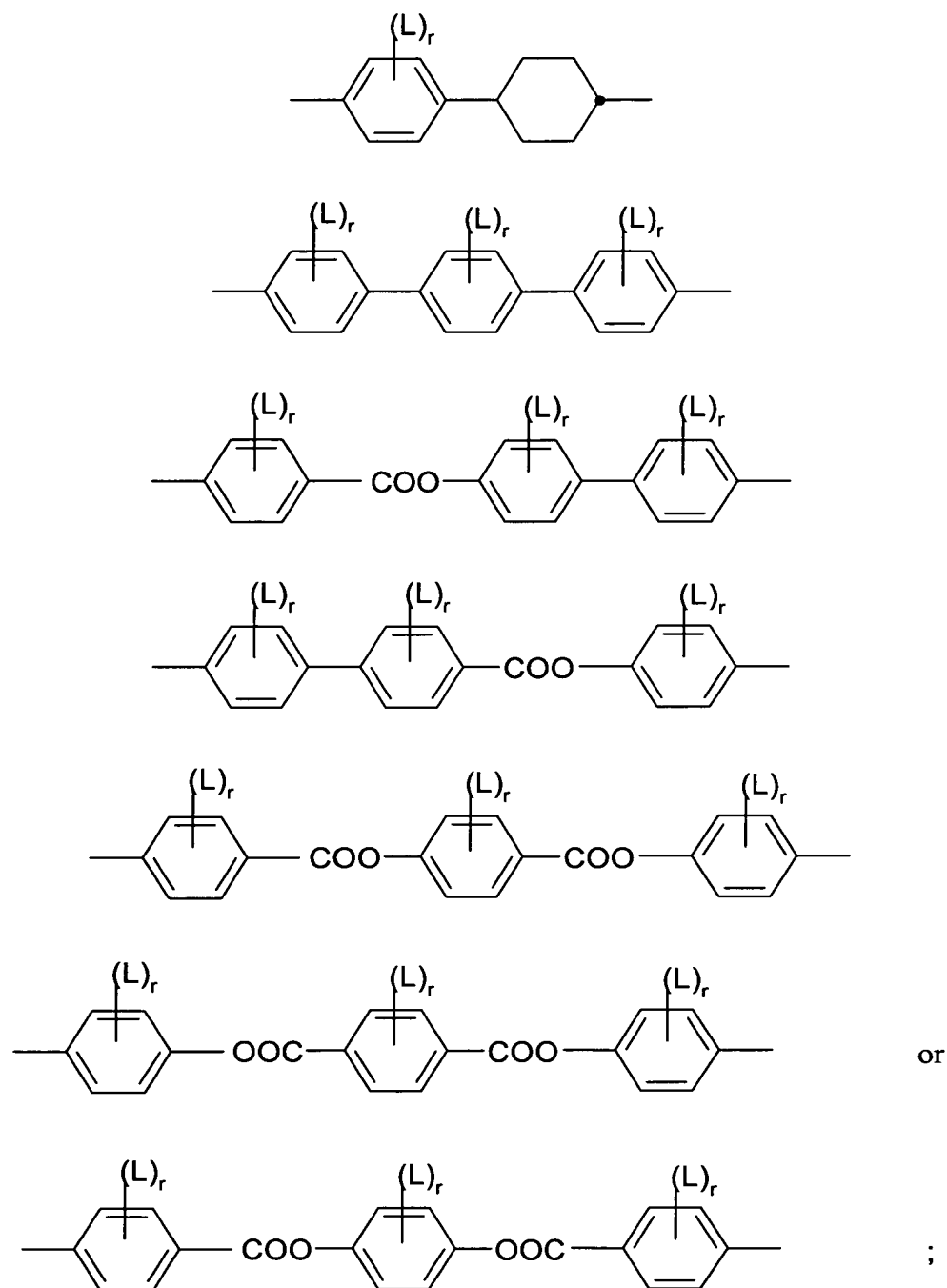
2. (Canceled)

3. (Currently Amended) A mixture according to claim 1, wherein the mixture comprises at least one compound of formula I wherein the mesogenic group MG is of the formulae:



[[;]]

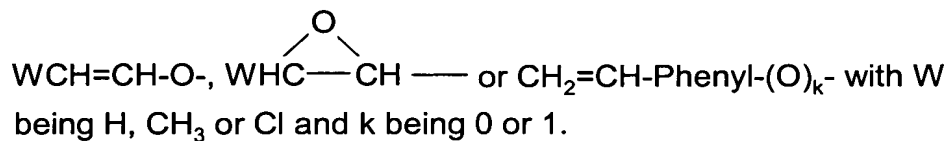




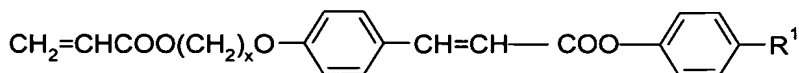
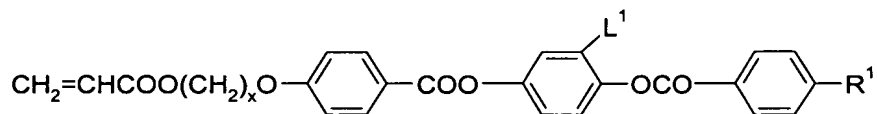
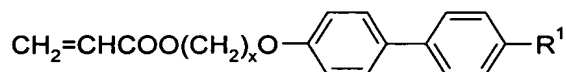
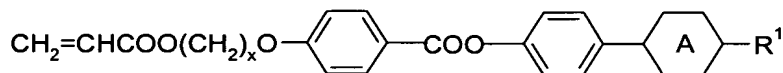
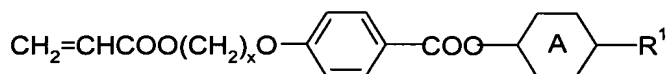
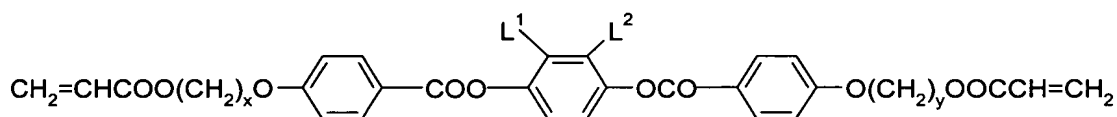
where L is: F, Cl, CN, or a fluorinated alkyl, alkoxy or alkanoyl group with 1 to 4 C atoms, and

r is 0, 1 or 2.

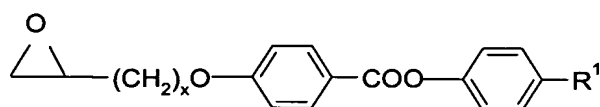
4. **(Previously Presented)** A mixture according to claim 1, wherein the mixture comprises at least one compound of formula I where P is:



5. **(Currently Amended)** A mixture according to claim 1, wherein the mixture comprises at least one compound of the formulae:



or



;

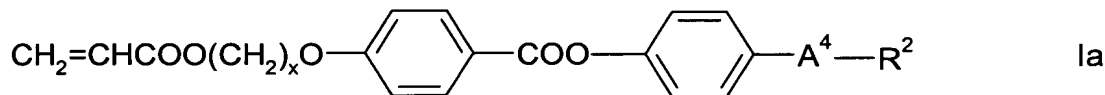
wherein each of x and y is are, independently, 1 to 12, A is a 1,4-phenylene or 1,4-cyclohexylene group, R¹ is halogen, cyano or an optionally halogenated alkyl or alkoxy group with 1 to 12 C atoms, and L¹ and L² are, independently, H, F, Cl, CN, or a halogenated alkyl, alkoxy, or alkanoyl group with 1 to 7 C atoms.

6. **(Previously Presented)** A mixture according to claim 1, wherein the mixture comprises 1 to 80% by weight of at least one dielectrically positive monoreactive mesogenic compound.

7. **(Previously Presented)** A mixture according to claim 6, wherein said dielectrically positive monoreactive mesogenic compound has a dielectric anisotropy $\Delta\epsilon > 1.5$.

8. **(Previously Presented)** A mixture according to claim 6, wherein said dielectrically positive monoreactive mesogenic compound has a polar terminal group of CN, F, Cl, OCF₃, OCF₂H, OC₂F₅, CF₃, OCN or SCN.

9. **(Previously Presented)** A mixture according to claim 1, wherein the mixture comprises at least one compound of the formula:



wherein x is 1 to 12, R² is C₁₋₁₂ alkyl or alkoxy, and

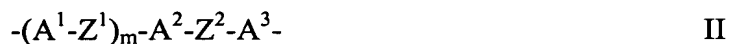
A⁴ is 1,4-phenylene, trans-1, 4-cyclohexylene or a single bond;

at least one direactive compound of formula I; and at least one dielectrically positive monoreactive compound of formula I.

10. (Previously Presented) A mixture according to claim 1, wherein the mixture comprises:

- a1A) 10 to 65%, by weight of at least one compound of formula I having one polymerizable group, wherein R is an alkyl or alkoxy group with 1 to 12 C atoms;
- a1B) 5 to 40% by weight of at least one compound of formula I having one polymerizable group, wherein R is CN, F, Cl or a halogenated alkyl or alkoxy group with 1 to 12 C atoms;
- a2) 2 to 90% by weight of at least one compound of formula I having two polymerizable groups, wherein R has one of the meanings of P-(Sp-X-)_n; and
- b) 0.01 to 5 % by weight of an initiator.

11. (Currently Amended) A mixture according to claim 1, wherein the mesogenic ~~or mesogenicity supporting~~ group is a compound of the formula:



wherein

A¹, A² and A³ are, independently, 1,4-phenylene where one or more CH groups optionally replaced by N; 1,4-cyclohexylene, optionally, one or two non-adjacent CH₂ groups are replaced by O and/or S; 1,4-cyclohexenylene; or naphthalene-2,6-diyl;

~~naphthalene-2,6-diyl~~, optionally these groups are unsubstituted, mono- or polysubstituted with a halogen, a cyano, or a nitro group, or an alkyl, alkoxy or alkanoyl group having 1 to 7 C atoms, wherein one or more H atoms may be substituted by F or Cl;[[,]]

Z^1 and Z^2 are each, independently, -COO-, -OCO-, -CH₂CH₂-, -OCH₂-, -CH₂O-, -CH=CH-, -C≡C-, -CH=CH-COO-, -OCO-CH=CH- or a single bond; and
m is 0, 1 or 2.

12. (Previously Presented) A mixture according to claim 1, wherein n=1.

13. (Previously Presented) A mixture according to claim 1, wherein the mixture comprises at least 95% by weight of polymerizable compounds.

14.-17. (Canceled)

18. (Previously Presented) A mixture according to claim 1, further comprising an organic solvent.

19. (Previously Presented) A mixture according to claim 18, wherein the organic solvent is toluene.

Please add the following new claim:

--20. (New) A mixture according to claim 1, wherein the mixture does not comprise a chiral compound.--